



ImageTrend User Survey Results

Prepared by Amy Bohner, MS

Trauma Epidemiologist/Registrar

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StateTraumaRegistrar@Michigan.gov

MDHHS Bureau of EMS, Trauma, & Preparedness

Data Disclaimer

The Bureau of EMS, Trauma and Preparedness, Trauma Section conducted a survey of all trauma registry users. The collected information will inform our understanding of users' experience and backgrounds, education and training, software experience and role in the trauma program.

The survey was sent out to all email addresses attached to an active user account in ImageTrend. Participation was voluntary and answers were anonymous. Participants were able to skip any question they did not want to answer. Survey responses will be used to inform future education, training and initiatives to support the state trauma registry and data collection.

Response Rate

- $115/252 = 45.63\%$
- Open for 3 weeks
- Received up to 5 reminder emails

Example reasons for nonresponse:

- “Our registrar completed this for us. Thanks.”
- “This survey really only applies to those entering data into ImageTrend. All of us that are higher level centers do not enter into that, we have our own registries. This really only applies to those submitting directly into IT.”

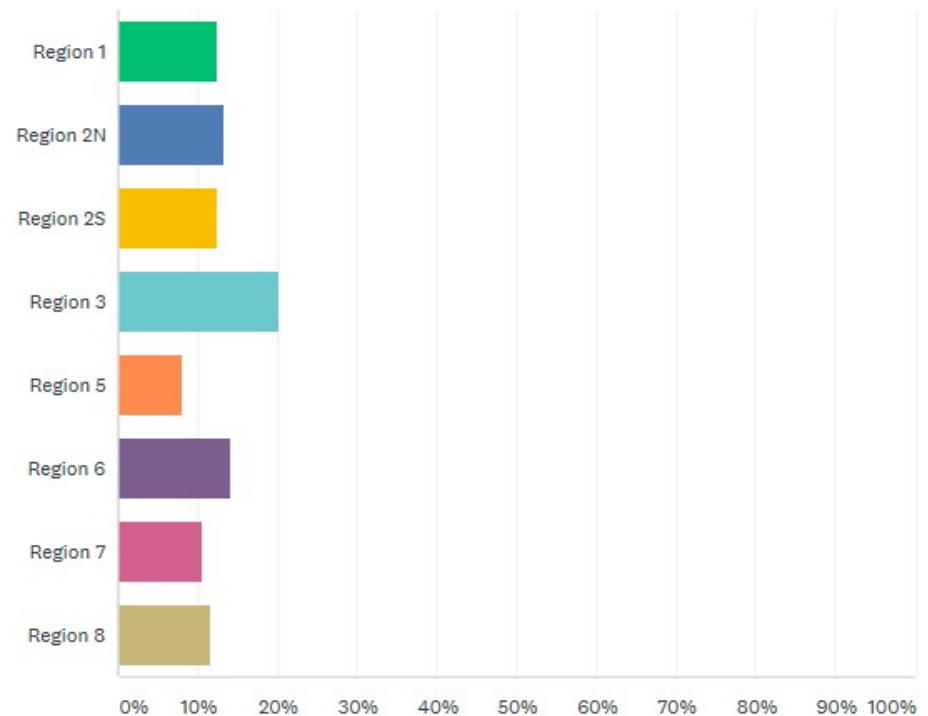
What is your job title?

- Registrar – 43%
- Trauma Program Manager – 17%
- Trauma Coordinator – 15%
- Other (RN, HIM, Quality Analyst, Paramedic, etc) – 13%
- ED Manager – 5%
- MCR – 5%
- TPM / Registrar – 4%

*Percentages may not add up to 100% due to rounding

What region is your facility located in? Check all that apply if you are with more than one facility.

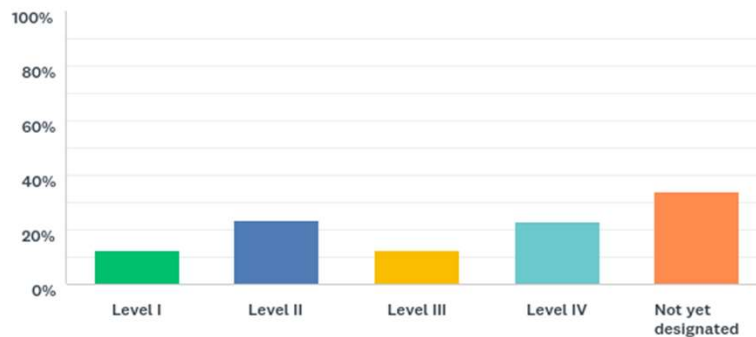
- Region 1 – 12%, 14 responses
- Region 2N – 13%, 15 responses
- Region 2S – 12%, 14 responses
- Region 3 – 20%, 23 responses
- Region 5 – 8%, 9 responses
- Region 6 – 14%, 16 responses
- Region 7 – 11%, 12 responses
- Region 8 – 12%, 13 responses



*Percentages may not add up to 100 due to rounding.

Verification/Designation

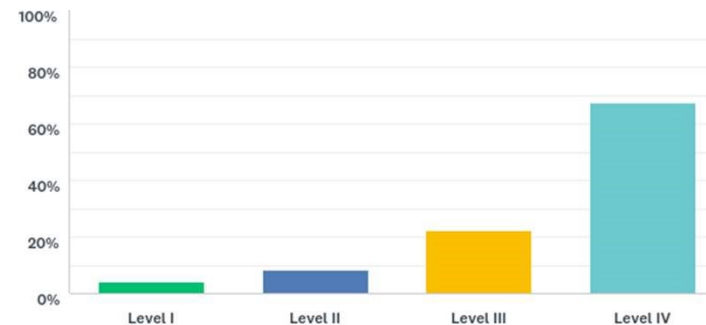
Q3 What level is your trauma facility verified (through ACS or state)/designated at? Check all that apply if you are associated with more than one facility.



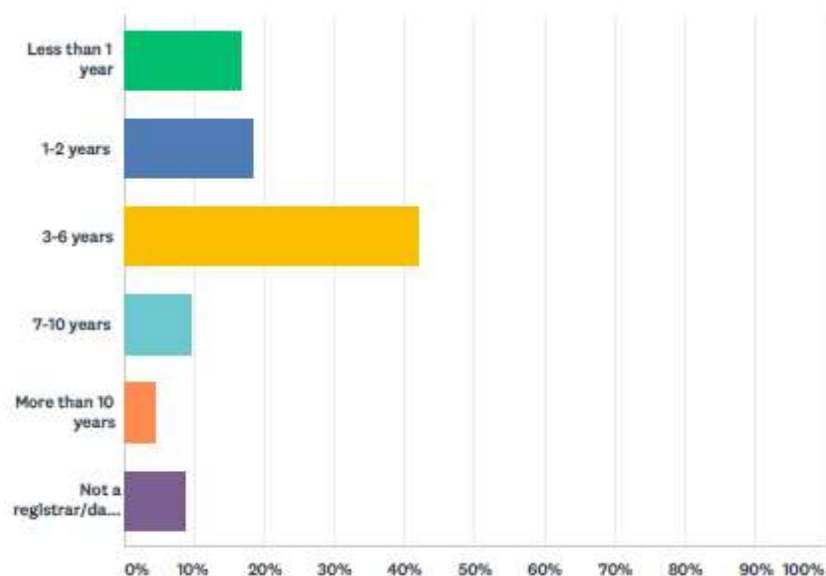
Level I – 12%
Level II – 24%
Level III – 12%
Level IV – 23%
Not yet designated – 34%

Q4 If not yet designated, what level are you seeking? Check all that apply if you are associated with more than one facility.

Level I – 4%
Level II – 8%
Level III – 23%
Level IV – 67%



How long have you been involved in any trauma program as a registrar/data entry/abstractor?



ANSWER CHOICES	RESPONSES	
Less than 1 year	16.67%	19
1-2 years	18.42%	21
3-6 years	42.11%	48
7-10 years	9.65%	11
More than 10 years	4.39%	5
Not a registrar/data entry/abstractor	8.77%	10

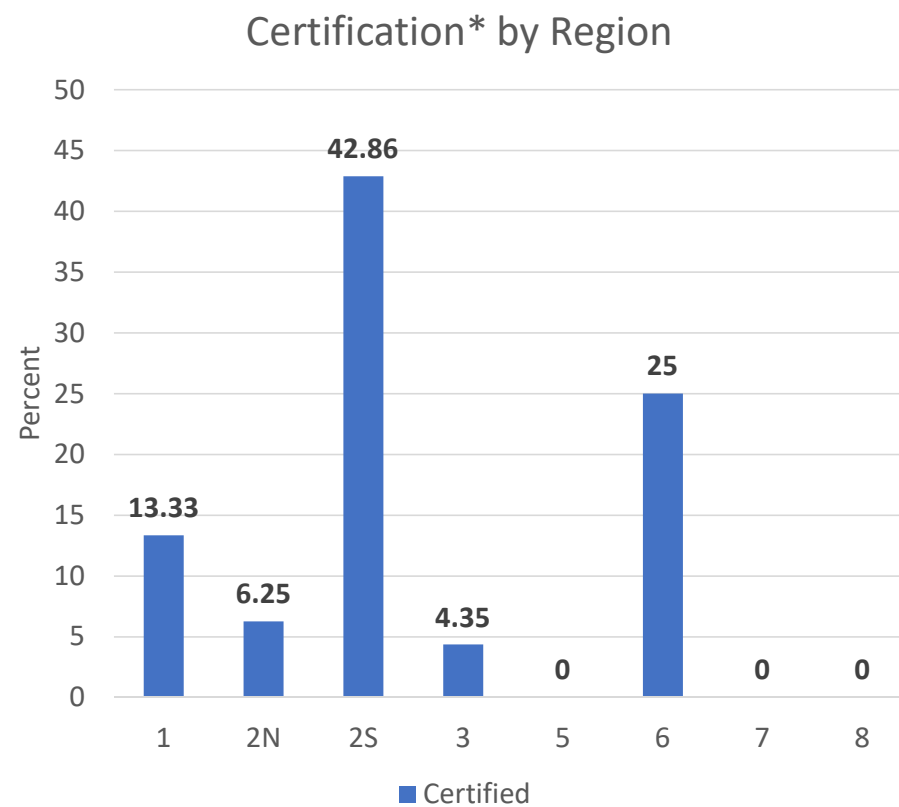
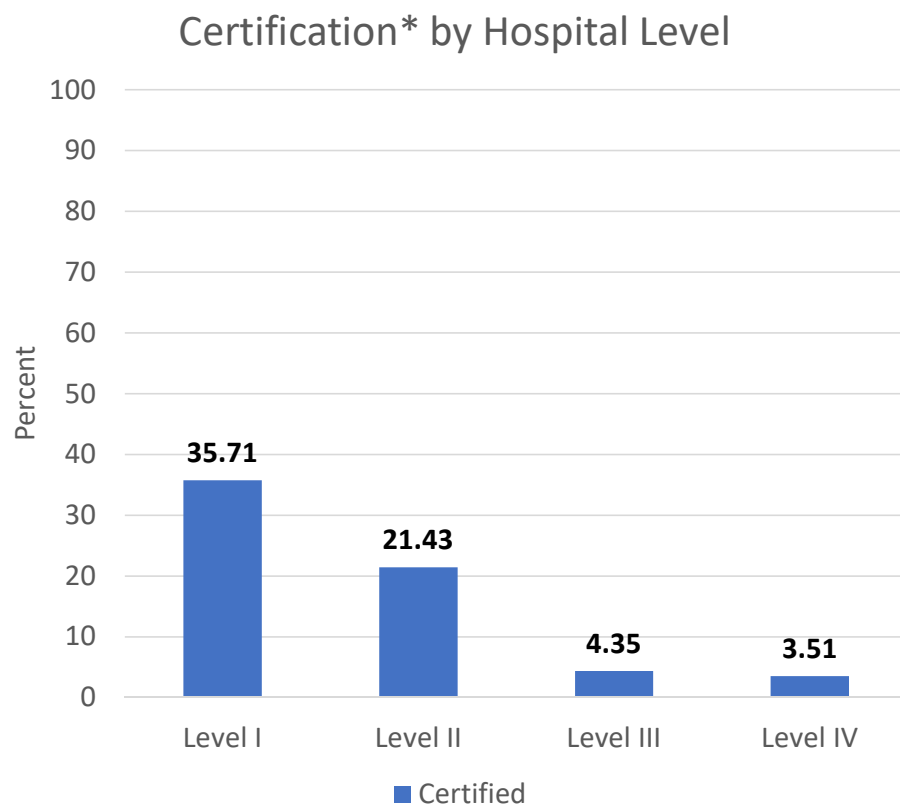
Certifications and Courses/training

Certifications

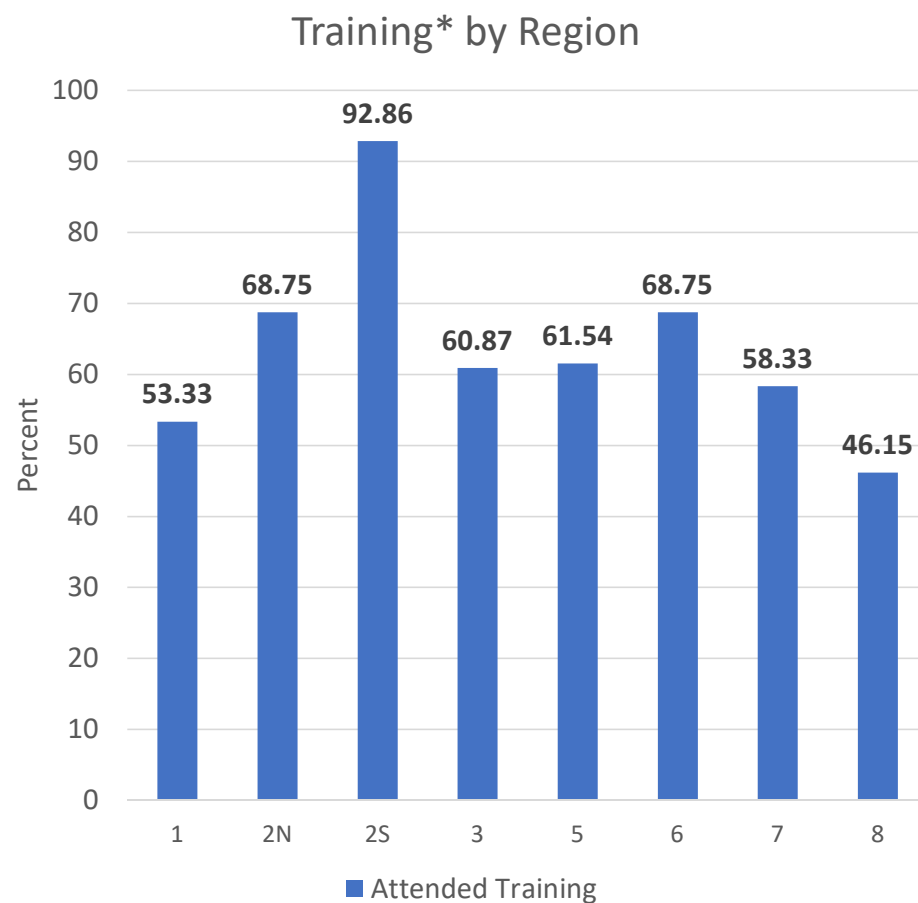
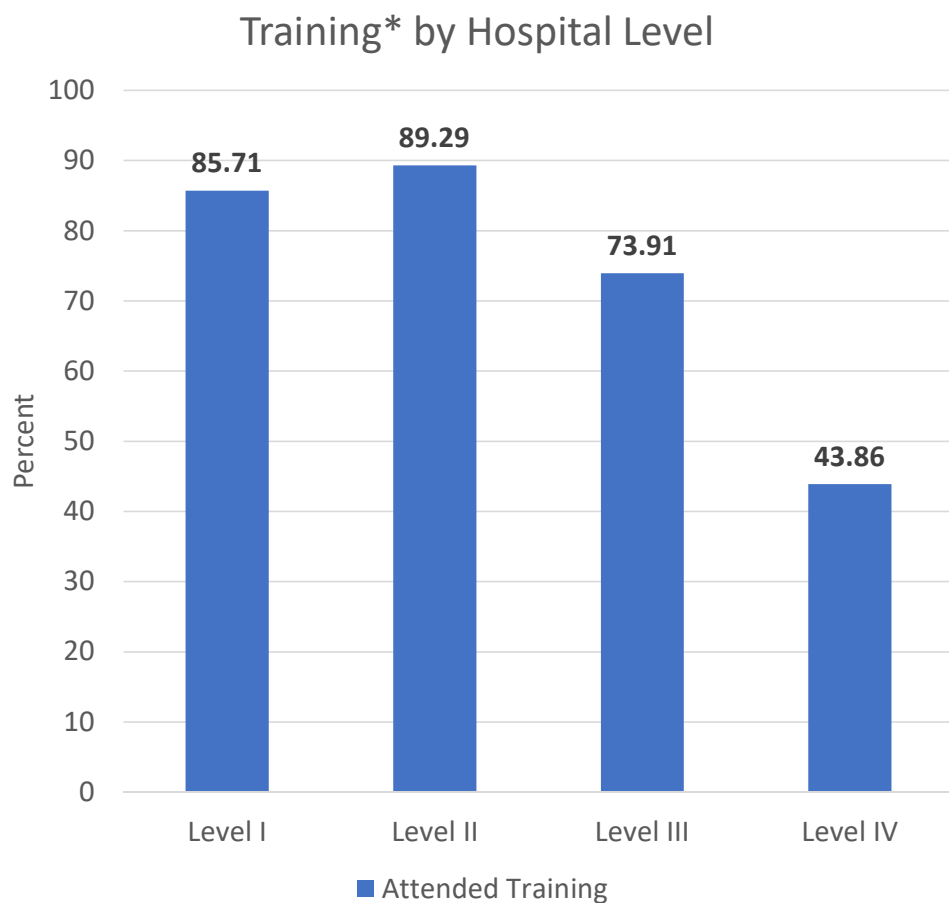
- Certified Specialist in Trauma Registries (CSTR) - 8%
- Registered Health Information Technician(RHIT) – 5%

Courses/Training

- AIS training – 68%
- ICD-10 training – 53%
- ATS Registrar course – 33%
- Pomphrey Registrar course – 35%
- None – 36%
- State-led training – 28%

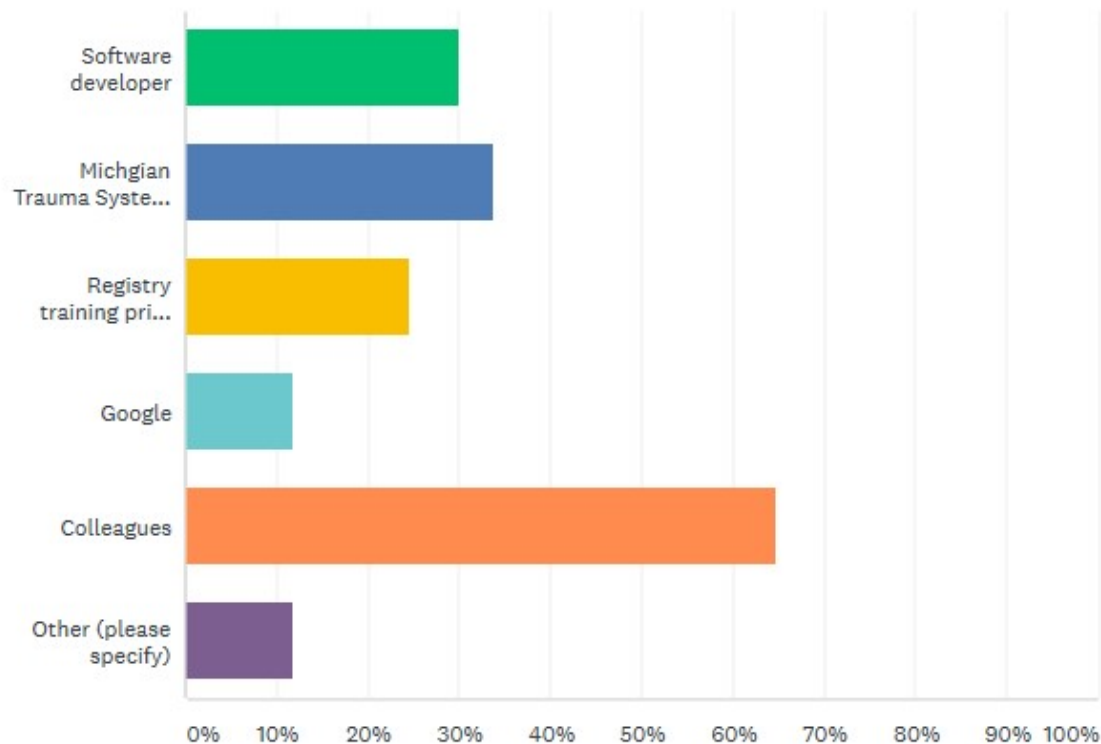


*Certification includes CSTR and RHIT



*Training includes the following courses: AIS, ICD-10, ATS Registrar, Pomphrey Registrar, State-led Registrar

Where do you get advice and troubleshooting assistance for the Michigan Trauma Patient Registry (ImageTrend)? Check all that apply.



Software developer – 30%
Michigan Trauma System Website – 34%
Registry Training Print Materials – 25%
Google – 12%
Colleagues – 65%
Other – 12% (RTC, state registrar, regional experts)

User's experience in ImageTrend

Direct Entry/Upload

- Direct case entry – 41%
- Upload – 59%

Do you use Report Writer?

- Yes – 23%
- No – 60%
- I don't know what Report Writer is – 17%

ImageTrend Permissions

- Facility Staff – 26%
- Facility Administrator – 46%
- Unsure – 28%

If Facility Admin, do you use the Users Guide?

- Yes – 7%
- No – 26%
- Unaware of guide – 67%

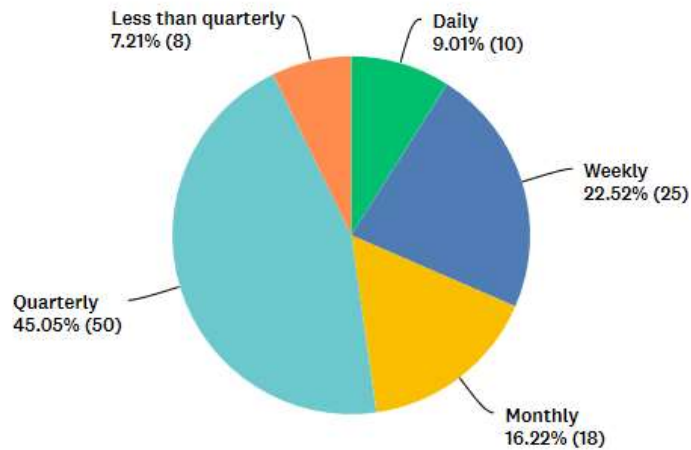
Please rank the difficulty of the following parts of ImageTrend.



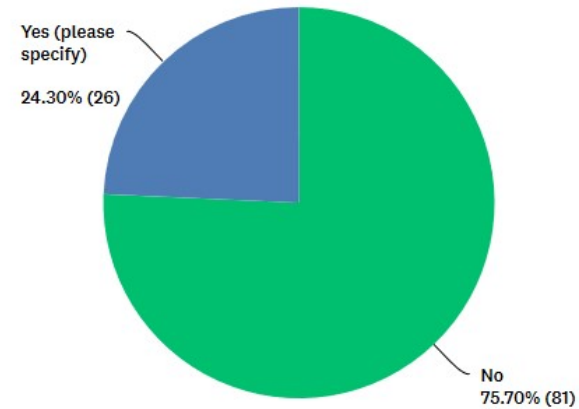
Are there any known data mapping issues?

- I don't know – 72%
- No – 24%
- Yes, please describe – 4%
 - Sample of the descriptions given:
 - “Incident Zip code. ImageTrend gives errors for UNK if the incident zip is not known”
 - “I have not used IMAGE Trend for trauma registry yet. I have used it for pulling EMS reports only. This will be my first time using it for Trauma Registry”
 - “Recently I was looking through records I uploaded and I noticed that our mode of arrival is not mapped correctly. I can see that the data is in the source file correctly. Pt arrived to our facility by private vehicle, ambulance, police... but the Image Trend records are all showing the default value. I have not had time to investigate this mapping problem at this time.”
 - “Some DX codes are not mapped correctly to the ISS”

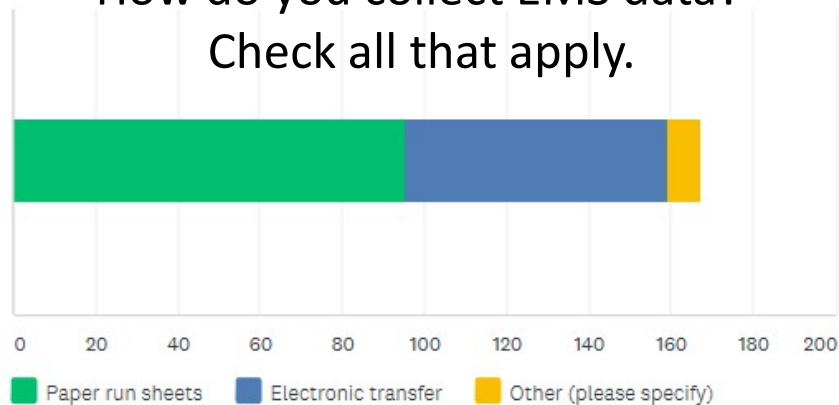
How frequently do you log into ImageTrend?



Do you collect data other than NTDS/TQIP/MTQIP?

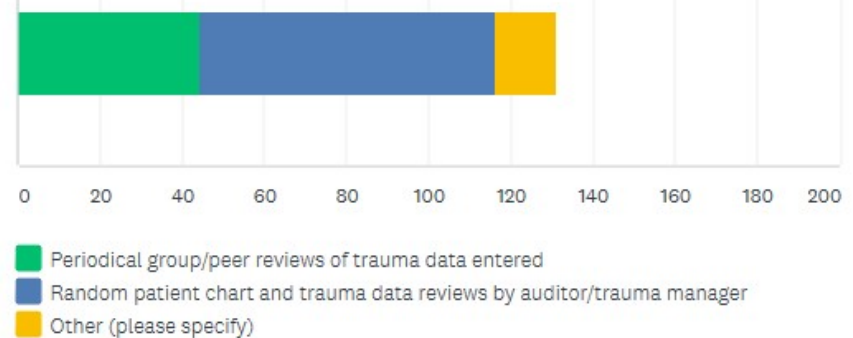


How do you collect EMS data?
Check all that apply.



Do you have a manual data validation process? (Yes – 85%)

If yes, what process do you have in place?



ImageTrend Trainings/Education

How frequently would you attend ImageTrend trainings, if they were offered?

- Monthly – 13%
- Quarterly – 44%
- Bi-annually – 21%
- Annually – 23%

Interested in networking with others in region?

- Yes – 69%
- No – 31%

Which method of training would be most beneficial to you? (% extremely beneficial)

- Users guide on website – 56%
- In-person, group training in Lansing – 40%
- In-person, group training in region – 62%
- Training videos on website – 61%
- Webinar training session – 57%

What provides the greatest satisfaction for a trauma registrar/data abstractor?

68 responses

use impacting outcomes care accurate entry Knowing Abstracting
patient able chart correctly data making complete
information reports NA trauma data collected Seeing patient care

Some common themes:

- **Collecting/reporting accurate information**
- **Completing records**
- Having appropriate tools/resources
- Training/education
- Impacting patient outcomes
- Being error free
- “Ease of use”
- “Reviewing interesting cases/outcomes”
- “I enjoy the search for codes and abstracting charts, looking for details”

What are the biggest challenges for a trauma registrar/data abstractor?

76 responses

EMS run sheets Image Trend chart Na abstract patient find trauma
data challenging time reports documentation
data definitions need available coding definitions training required
data points

Some common themes:

- “Too many hats, too little time.”
- Time to gather and input data
- EMS run sheets
- Data documentation/charts/abstraction
- Data definitions
- Administration providing the resources
- Education/training
- Low pay
- Data validation
- Reporting
- Not getting reports back (2 responses)
- “Not having user friendly tools”
- “Knowing if you are doing anything correctly.”
- “Working with staff that do not have trauma experience who do not know how to do their job.”